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COMPLETE SPECIFICATION.

Remedy for Scab or Mange in Sheep

I ALEXANDER ROBERTSON Argyle Chemical Works Oban Scotland do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 This invention has for its object to produce an improved remedy for the cure of scab or mange in sheep, obviating a serious defect in similar preparations when treating the disease in sheep which have been newly shorn, and to provide an improved and efficient remedy.

10 Scab or mange in sheep is most successfully treated when the wool is short, immediately after shearing, but if the remedy employed is either of a soluble nature, or an insoluble powder, such as sulphur, the short fleece does not retain sufficiency of the remedy to destroy the germ of the disease. This germ the insect lays under the skin, and it only comes to the surface after it has been hatched. This event may not occur till 14 to 20 days after the application of a remedy.

15 In the meantime the remedy, if of a soluble nature, is liable to be washed out of the fleece by rain, or, if an insoluble powder, it is liable to be blown out by wind in the interval.

20 This invention consists in producing a remedy for scab or mange composed of carbolic acid and arsenic, recognised specifics for the disease, incorporated with a strongly adhesive, rain resisting base which adheres to the fleece. The base I obtain by treating 36 parts crude lanoline, 28 parts resin and 80 parts mineral oil, with 10 parts of caustic soda. Into this mixture is stirred by mechanical means 30 parts of arsenic, previously dissolved, and 34 parts of carbolic acid. The result is a paste, insoluble in cold water.

25 Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is,

30 A rain and wind resisting compound, composed of the ingredients and in the manner substantially as set forth above, to be employed as a remedy for scab or mange in sheep when the fleece is too short to retain sufficiency of a soluble remedy, or of a powder remedy, to effect a thorough cure of the disease

Dated this 29th day of August 1903

ALEX. ROBERTSON.

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